PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

RICHARD J. MARKLE ET AL

Serial No.: 09/897,573

Filed: 7/2/2001

For: METHOD AND APPARATUS FOR DETERMINING GRID DIMENSIONS

USING SCATTEROMETRY

Group Art Unit: 2877

Examiner: Z. Smith

Atty. Dkt. No.: 2000.089400

DECLARATION UNDER 37 C.F.R. § 1.131 OF RICHARD J. MARKLE

- 1. My name is Richard J. Markle. I have personal knowledge of the facts stated herein.
- 2. I am currently employed with Advanced Micro Devices, Inc. in Austin, Texas. I am a named inventor on application Serial No. 09/897,573 entitled "Method and Apparatus for Determining Grid Dimensions Using Scatterometry."
- 3. Attached as Exhibit A is a copy of the invention disclosure form I prepared in Austin, Texas for the invention described in the above-referenced patent application. I prepared and signed the invention disclosure form on November 2, 2000, as indicated by the date adjacent my signature.
- 4. The attached invention disclosure form was provided with internal tracking number TT4355 by AMD's legal department, and it was sent to the law firm of Williams, Morgan & Amerson on or about November 10, 2000, with a request to prepare a United States patent application for the invention disclosed in the invention form.

- 5. I understand that willful false statements and the like so made are punishable by fine or imprisonment, or both, and may jeopardize the validity of the application or any patent issuing thereon.
 - 6. I declare under penalty of perjury that the foregoing is true and correct.

09 MAR 05	Dim I Makle
Date	Richard J. Markle

2000.08400 TT4965

AMD

5204 E. Ben White Blvd. Austin, TX 78741 Tel (512) 385-8542

10NO2000

J. MIKE AMERSON WILLIAMS, MORGAN & AMERSON 7676 HILLMONT, SUITE 250 HOUSTON, TX 77040

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WILLIAMS, MORGAN & AMERSON

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RE:

Invention Disclosure TT4355

Entitled:

GRATING STRUCTURES FOR USE IN SCATTEROMETRY FOR CONTACTS AND

Dear J. MIKE AMERSON:

Please prepare a US patent application for the subject invention disclosureand file the application in the USPTO within two months of this letter. A copy of the Invention Disclosure is enclosed.

Please follow the instructions set forth in AMD's DIRECTIONS TO OUTSIDE COUNSEL REGARDING PREPARATION AND PROSECUTION OF PATENT APPLICATIONS Version 1.0 dated May 1, 1996.

It is not necessary to prepare a PCT international application at this time. If one is later determined to be needed, AMD will so advise you.

If you have any questions or need additional information, please call me at 512-602-5964, or the responsible AMD Technology Law attorney, PAUL S. DRAKE at 512-602-2103.

Sincerely,

Samantha Cardona

Paralegal

Technology Law Department

Enclosure

cc:

LENSING, KEVIN R. MARKLE, RICHARD J. 65702 (TX) WRIGHT, MARILYN STIRTON, JAMES BROC

AMD INVENTION DISCLOSURE TLD 1D# T 4355 Ro California x42110, return to MS68, Texas x55964 return to MS562, Dresden x83401 Silke Kretzschmar a	<u> </u>
Project: . Product: ., Process: ., Technology ., to which the invention	
List 2 to 5 key words useful to search by to find patents or art related to this inven	tion:
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Inventor's signature: Rick Mark C Inventor's printed full name: Citizer Employee #: Extension: 505 6 Mail stop: Home telephone:() AMD email address: AMD office FA Division: Directorate: Dept #: Dept: Manager:	date : ///02/00
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Marityn Wright	
•	
List on additional sheet if there are more co-inventors and list total number of inventors	s here:
	· #
Name(s) of attorney(s) preferred by inventor(s) to prepare patent application, if known:	: DOCKELING
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Witness 1 initial: Witness 2 initial:	
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Advantages (check all that apply):		:						
avoids existing patent(s)	improves pre	cision	simplifies manufacturing					
new function	improves acc		improves wear characteristic					
improves density	improves effi	ciency	improves signal to noise ratio					
increases operating speed	fewer compo	nent parts						
improves reliability	reduces cost of	of manufacturing						
Discussion of advantage of the invented (emphasize technical advance in the MEDIA) LWEAR REPEAT CONTACTS A "LWE" BE HOLLING	art as measured as we STAVGVUE bus bus f	gainst known art): _(CURRENTLY SYMMOMETRY BY USING CLOSEL PAYCES UCCESSYTTL MERSUMEMONTS					
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First written description* of invention Date of first drawing*: //(02/03)	ii, uaie: ///02/60)	First external disc						
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DISCLOSURE EV	<u>ALUATION</u> (En	ries from this	point	on are by the	e Revie	ewer)				
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Terry D. Morgan
J. Mike Amerson
Kenneth D. Goodman
Jeffrey A. Pyle
Randall C. Furlong, Ph.D.
Jaison C. John
Bradley A. Misley

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George J. Oehling*
Shelley P.M. Fussey, Ph.D.*
Mark D. Moore, Ph.D.*
Louis H. Iselin, Ph.D.*
Raymund F. Eich, Ph.D.*
Thomas H. Belvin, Jr.*
Daren C. Davis*
Stephanie A. Wardwell, Ph.D.*

*Patent Agent

June 12, 2001

FILE: 2000.089400

WRITER'S DIRECT DIAL: 608-833-0748

Richard J. Markle Kevin R. Lensing J. Broc Stirton Marilyn I. Wright AMD, Inc. 5204 E. Ben White Blvd. Mailstop 568 Austin, TX 78741

RE:

U.S. Patent Application Entitled: "METHOD AND APPARATUS FOR DETERMINING GRID DIMENSIONS USING SCATTEROMETRY"

Inventor(s): Richard J. Markle, et al.

Your Reference: TT4865

Dear Sirs and Madam:

Attached is the draft application for the above-referenced matter. Please provide me with your comments at your earliest convenience. Please spend sufficient time reviewing the entire application so that you understand the content of the application, including each of the claims. You should make sure that the application enables one skilled in the art to make and use the invention and that it discloses the best mode of which you are aware for carrying out the invention.

If the application is inaccurate or incomplete, please mark your changes directly on the application itself and return it to me for revision. Please provide any and all feedback directly to my attention as soon as possible.

In reviewing the application, and especially the claims, keep in mind any relevant prior art of which you are aware. It is important that the claims accurately define your invention and that the

WILLIAMS, MORGAN & AMERSON, P.C.

Richard J. Markle June 12, 2001 Page 2

claims distinguish over the prior art. If any prior art comes to your attention now or during the pendency of the application, please send it to me.

We would like to take this opportunity to address several important matters:

1. Information Disclosure Statement

As we have discussed, a duty of candor and good faith toward the Patent Office rests on the inventors and on every other individual who is substantively involved in the preparation or prosecution of a patent application. All such individuals have a duty to disclose to the Office known information that may be material to the patentability of a pending claim. Such information is material to patentability when: (1) it establishes, by itself or in combination with other information, a *prima facie* case of unpatentability; or (2) it refutes, or is inconsistent with a position the applicant takes in (a) opposing an argument of unpatentability relied on by the patent examiner, or (b) asserting an argument of patentability.

An Information Disclosure Statement should therefore be filed in the Patent Office within about three months of the filing date of the patent application to comply with this duty of disclosure, listing material publications or pertinent information of which you are aware. This includes:

- (a) products or services in public use or on sale in this country prior to your U.S. filing date;
- (b) all related material (including international patent applications) published in this country or a foreign country prior to your U.S. filing date;
- (c) any related U.S. patents; and
- (d) any pertinent applications published prior to your filing date.

We request that you supply us with copies of all material prior art references of which you are aware and any other information which should be disclosed to the Patent Office. We would like to file the Information Disclosure Statement within 3 months of the filing date, so we need you to supply the copies to us about a month prior to that time. Please feel free to call me if you have any questions as to what should be included.

2. Continuing Duty of Candor

We would like to emphasize that the duty of candor does not cease once the Information Disclosure Statement has been filed. The duty remains throughout examination of the patent application. Therefore, if any additional information of relevance comes to your attention during examination of this patent application, it is important that you advise us immediately so that such information can be submitted to the Patent Office.

WILLIAMS, MORGAN & AMERSON, P.C.

Richard J. Markle June 12, 2001 Page 3

Furthermore, for as long as any patent that may be granted on this patent application is of value to you, we recommend that you keep us advised of any relevant information that comes to light. We can then consider such and advise on options such as limiting the claims to avoid such prior art by filing an application for a reissue patent or an application for reexamination.

3. Developments and Improvements

It is important that you advise us promptly of any developments or improvements that may affect the uses or value of this invention. You should insure, in particular, that you advise us of such developments or improvements before any disclosure or public use has occurred. If such developments or improvements are of sufficient importance, it may be possible, and indeed advisable, to take immediate steps to secure specific protection for such developments or improvements. This could be done by filing a continuation-in-part patent application, or by filing a new independent patent application, both of which probably require administrative approval.

4. Examination

In general, an Examiner reviews applications in the order in which they are received. A first office action may be issued within a year, although the time period may vary.

5. Marking

In commercial exploitation of this invention, it is advisable to mark articles and literature relating to the invention to indicate that a patent application is pending. The notation "Patent Pending" or "Patent Applied For" may be used in connection with any product covered by any claim of the application. This notation may also be used in any advertising, business literature or scientific publication. Products or methods relating to claims in the patent application may be conveniently identified in footnotes as being subjects of one or more pending patent applications. It is usually advisable, however, not to disclose the serial number or filing date of the patent application while it is still pending.

6. Corresponding Patent Protection in Other Countries

The United States and many other countries are parties to an international treaty called the Paris Convention. Under this treaty you may file a corresponding patent application in any of these other countries and claim the benefit of your United States filing date, provided that the corresponding application is filed within one year from the day on which your United States application was filed. Certain events might have occurred or may occur that will require corresponding foreign applications to be filed before the end of this one-year convention period.

WILLIAMS, MORGAN & AMERSON, P.C.

Richard J. Markle June 12, 2001 Page 4

Unless you have concluded that you do not want any corresponding foreign patent applications, you should take this matter up with us as soon as possible. We can then discuss the benefits, requirements, filing procedures, and costs of foreign coverage.

If we can be of further assistance, or if you have any questions concerning the patent application, the preparation of an Information Disclosure Statement, or any of the above topics, please contact us at your convenience.

Regards,

Scott F. Diring

Scott F. Diring

Patent Agent

SFD/ln

Encl: Appln.

cc: Paul S. Drake, Esq. (w/encl.)

Shawn Smith, Docketing